

Date of Application, 4th Oct., 1887

Complete Specification Left, 4th July, 1888

Complete Specification Accepted, 24th Aug., 1888

A.D. 1887, 4th OCTOBER. N° 13,423.

PROVISIONAL SPECIFICATION.

A New or Improved Instrument or Appliance for the Cure of Sand
Cracks in the Hoofs of Horses and other Animals.

I, JOHN ARNOLD of the firm of Arnold and Sons, of West Smithfield in the City of London, Surgical Instrument Makers do hereby declare the nature of this invention to be as follows :—

5 The object of my invention is to provide a simple and efficient instrument or appliance for the cure of sand cracks in the hoofs of horses and other animals.

10 According to my invention I arrange on a spindle which is screw threaded at one end with a right hand thread and at the other end with a left hand thread a clip or clamp free to travel on the thread. There is a nut between the two, which can be operated by a spanner. The clips or clamps are placed on the hoof one on each side of the sand crack, the hoof being prepared to receive the instrument by filing a groove thereon for same and notches for the clips or clamps, the clamps clip in the notches and by turning the nut on the screw the two clips or clamps come towards each other and so draw the horn of the hoof together and the crack is thus prevented from extending.

15 Dated this 4th day of October 1887.

JOHN ARNOLD.

By Brewer & Son,
Agents.

COMPLETE SPECIFICATION.

A New or Improved Instrument or Appliance for the Cure of Sand Cracks in the Hoofs of Horses and other Animals.

I, JOHN ARNOLD, of the firm of Arnold and Sons, of West Smithfield, in the City of London, Surgical Instrument Makers do hereby declare the nature of this invention and in what manner the same is to be performed to be particularly described and ascertained in and by the following statement:—

The object of my invention is to provide a simple and efficient instrument or 5
appliance for the cure of sand cracks in the hoofs of horses and other animals.

According to my invention I arrange on a spindle which is screw threaded at one end with a right hand thread, and at the other end, with a left hand thread, two clips or clamps which may be caused to travel on the respective threads. There is a nut on the spindle between the two clips, which can be operated by a spanner. 10

In order that my invention may be more fully understood and readily carried into effect I will proceed to describe the same by reference to the accompanying drawings.

Figure 1 is a plan view of an instrument or appliance for the cure of sand cracks in the hoofs of horses and other animals, constructed according to my invention shewing 15
the same applied. For the sake of clearness the instrument is drawn twice the ordinary size; Figure 2 is a perspective view of one of the grippers detached; Figure 3 is a perspective view of the instrument shewn applied, and Figure 4 shews the accompanying spanner for adjusting the width apart of the grippers.

Similar letters of reference refer to like parts in all the figures. 20

A A¹ are the clips, clamps, or grippers made as shewn with hooks or holders for taking into the hoof of the animal. B is the spindle having a right hand thread at one end and a left hand thread at the other, and on which screw spindle the clips, clamps or grippers are caused to travel when the screw spindle is revolved. C is a nut made in a piece with, or fixed to, the screw threaded spindle B. 25

To use the instrument, notches are cut in the hoof one on each side of the crack to be cured, and into each notch, the hook or holder part of the clips, clamps or gripper A A¹ are inserted, then by turning the nut C by a spanner such as is shewn at Figure 4 the said clips, clamps or grippers A A¹ are brought towards one another owing to the threads on the spindle B being cut in opposite directions and 30
they are there held and maintained so long as may be necessary, and in such manner that the horn of the hoof is drawn together and the crack is thereby prevented from extending, and heals.

When the instrument is in position the tension can be regulated with the greatest nicety and according to circumstances. 35

By turning the nut C with the spanner in the contrary direction to that for tightening up, the clips, clamps or grippers are gently and gradually released and the instrument thereby removed or falls off.

Arnold's Instrument or Appliance for the Cure of Sand Cracks in the Hoofs of Horses, &c.

The hoof is or may be prepared to receive the instrument by filing a groove thereon for same.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed I declare that what I
5 claim is :—

The new or improved instrument or appliance for the cure of sand cracks in the hoofs of horses or other animals composed of clips clamps or grippers A A¹, on right and left hand screw threaded spindle B, with central nut C, arranged, constructed and acting substantially as hereinbefore described and illustrated with reference to
10 the accompanying drawings together with any mere modification or modifications thereof.

Dated this 4th day of July 1888.

JOHN ARNOLD.

By Brewer & Son,
33, Chancery Lane, London,
Patent Agents.

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By DARLING AND SON, LTD.

1888.



[This Drawing is a full-size reproduction of the Original.]

FIG. 3.

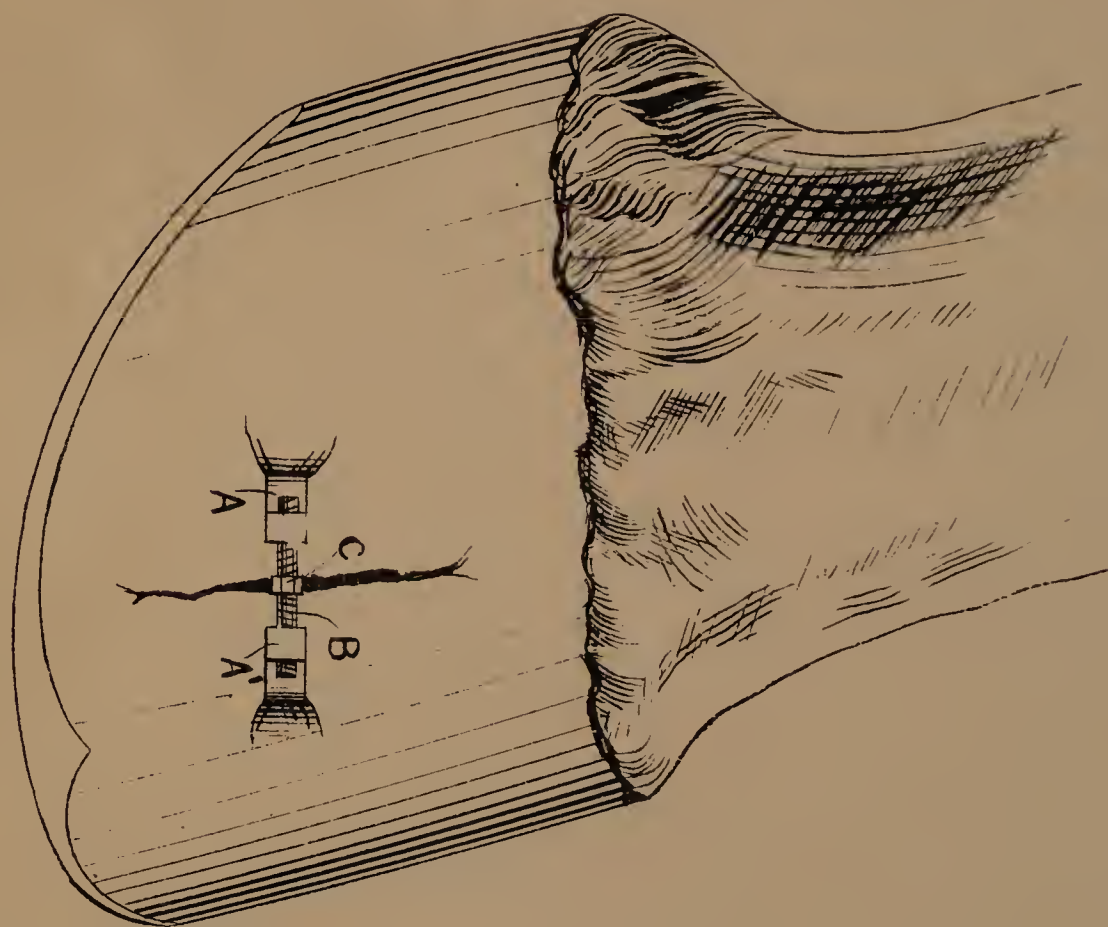


FIG. 1

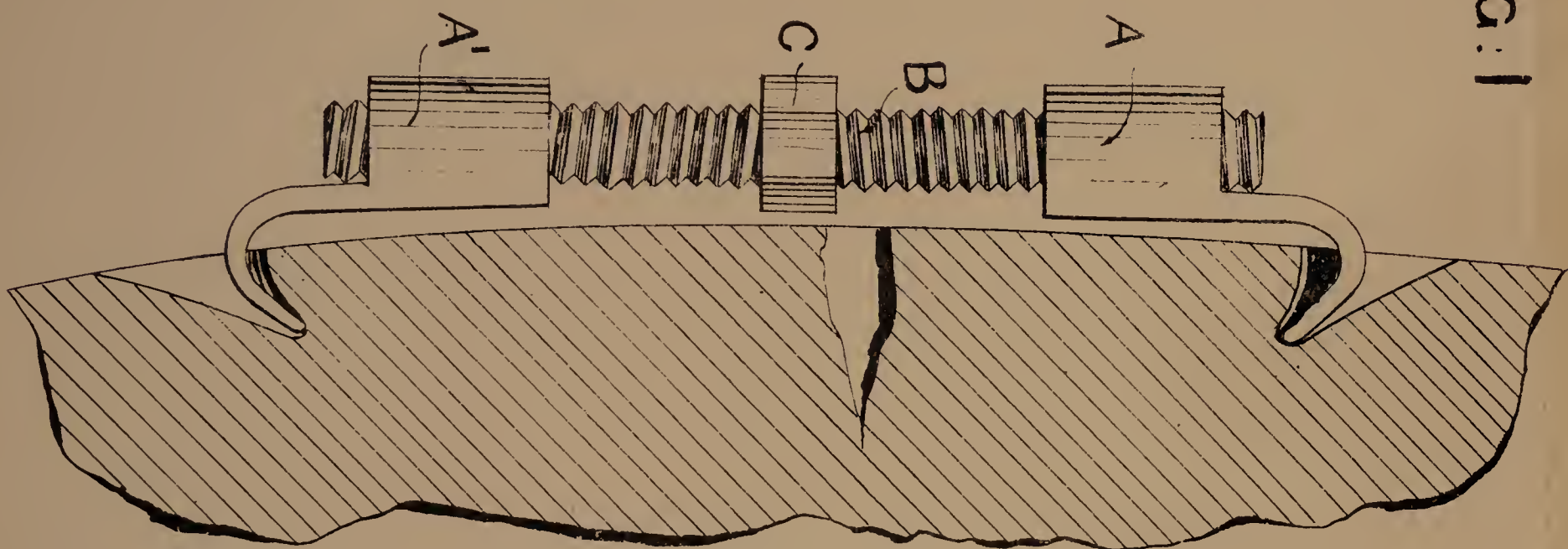


FIG. 2.

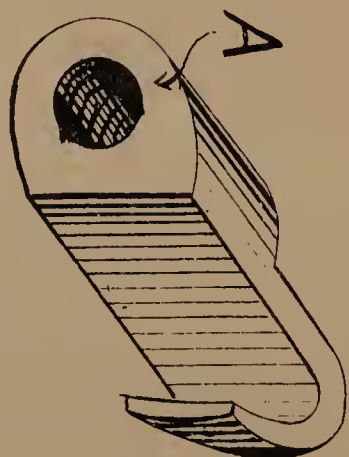


FIG. 4.



